Work Orde September 3, 200		* 1		1 - 20,000										Page 1
Revision ID:	D2893-1 B 2.75 Support		y eth site	. ² A	ccept						Setup	Start Stop		
Required Date:	9/03/09 9/08/09	Start Qty: 20.00 Req'd Qty: 20.00					ust Item I ustomer:	D:					. • •	
Approvals:	Process Plan	n:	Date:		Tooling: SPC (Y/N):			ate:		1	Run	Start Stop		
Sequence ID/ Work Center ID)	Operation Description			Set Up/ Run Hours		Draw Number	Draw Rev.	Plan Code	Accept Qty	Rej Qty	•	Reject Number	Insp. Stamp
Draw Nbr	Revi	ision Nbr							,					
D2893	Rev	В												
		HAAS CNC VERTICA	L MACHININ	G #1	0.00					19		7		
HAAS I HAAS CNC vertical	machine #1	Memo Machine as		81 □Tumble &		all soles) O Q			1.91				
110 QC		QC2- Inspect parts off a	nachine FAI/F.	AIB	0.00	82/09 M=	<u>/</u> /9			19	., .,	1		P7
Quality Control					·	4/10/	υl							

QC8- Inspect parts - second check

and oglog/17

120 QC

0.00

Memo

Quality Control

Dail Aciospace Llu	art Aerospace	e Ltd
--------------------	---------------	-------

W/O:		WORK ORDER CI	HANGES					
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							; • <u>,</u>	
							,	

Part No: D 2893-1

PAR #: NP Fault Category: NCR: Ves No DQA:

Date: 8.11-06

Resolution: ____

Scrap Disposition: Scrap

QA: N/C Closed: _

Date: 05-11-14

NCR: 5	1775	W	ORK OR	DER NON-CONFORMANCE	(NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section B Action Description Chief Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
69,09,09	Iso	Test dropped Progrem error. Toul didn't retract. Large mark in Back programemer.	05, 05, 05 Q51 042	Scrup part. Muk to not recision No verplace.	Tu for	:m= 1 oVoVoq 109:	68.0005 pr ps, our	1509.1S
					/ /			

Work Order ID 51775



Page 2

September 3, 2009 7:44:41 AM

Item ID:

D2893-1

Revision ID: В

2.75 Support Item Name:

Start Date:

9/03/09

Start Qty: 20.00



Accept



Run

Qty

Setup Start



Stop

Required Date: 9/08/09

Req'd Qty: 20.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Tooling:

Date: SPC (Y/N):

Date:

Date:

Start

Stop



Set Up/ **Run Hours** Draw Number

Plan Draw Rev. Code

Accept **Qty**

Reject Reject Number

Insp. Stamp

130

Sequence ID/

Work Center ID

Powdercoat

Powder Coating

Description

Memo

Operation

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

12260

Mask Inside Bore for Primming□START TIME: 430 □OVEN TEMPERATURE: 420 TIME:

m-1 oaloulai

140

QC

Quality Control

QC3- Inspect Part Finish

0.00

Memo

0.00

Om 09 - 09 - 21

150

SprayPaint **Spray Painting** SprayPaint

Memo

0.00

0.00

Prime inside surface as per Dwg D2893 and QSI 005 4.3

m 09 11 02

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHAN	GES				<u>_</u>
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	;	·							
Part No	:	PAR #:	Fault Cate	gory:	NCR: Ye	es No D	QA:	Date: _	
		esolution:						•	
NCR:		,	WORK ORD	ER NON-CONFORM	MANCE (N	CR)			
DATE	STEP	Description of NC			ection B	Ver	ification	Approval	Approval
DATE	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng			ection C	Chief Eng	QC Inspector
								1	

Work Order ID 51775



Page 3

September 3, 2009 7:44:41 AM

Item ID:

D2893-1

Revision ID: В

Item Name:

2.75 Support

Start Date:

9/03/09

Start Oty: 20.00

Req'd Qty: 20.00



Accept

Date:

Date:

Setup Start



Stop

Start

Stop

Required Date: 9/08/09 Reference:

Approvals:

Process Plan:

QC:

Date:

Tooling: Date:_____

SPC (Y/N):

Set Up/

0.00

0.00

Run Hours

Draw Number

Cust Item ID:

Customer:

Draw Rev.

Plan Code

Reject Accept Qty

Run

Reject Number

RT 09-11-03

Insp. Stamp

160

Sequence ID/

Work Center ID

Quality Control

Operation Description

OC14- Inspect Spray Paint

Memo

Memo

Packaging

Packaging

Identify as per dwg & Stock Location:

0.00

0.00

Qty

180

170

Quality Control

QC21- Final Inspection - Work Order Release

Memo

0.00

0.00

09/11/03/H MF 09-11-03

Dart Aerospace Ltd

W/O:			WO	RK ORDER CHAN	GES		·			·
DATE	STEP	PR	OCEDURE CHAN	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									·	
Part No		PAR #:	Fault Categ	jory:	NCF	l: Yes I	lo DQ	A :	Date:	
	Res	solution:	Disposition	1:	QA:	N/C Clo	sed:		Date:	
NCR:		,	WORK ORDE	R NON-CONFORM	IANCE	(NCR))			
DATE	STEP	Description of NC			ection B	0:0	Verific	ation	Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Secti	on C	Chief Eng	QC Inspector
<u>.</u>		·	i.							,
		,				-				
•										
· · ·										. •
			,							

Picklist Print

September 3, 2009 7:44:40 AM

Work Order ID: 51775

Parent Item:

D2893-1RevB

Parent Item Name: 2.75 Support

Comments:



Start Date: 9/03/09

Required Date: 9/08/09

Start Qty: 20.00

Required Qty: 20.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
DSK078RevA		Manufactured	No			100	Each	15.0000	10.0000		•	

D2893-1 TURNING DETAIL

Warehouse	Loc Qty	Loc Code	
Location			
Main Warehouse			
MAT	15		
47395	. 5	_	
47975	10	mus	10

Dart Aerospac	e Ltd	
---------------	-------	--

			•					
W/O:			WORK ORDER	CHANGES				
DATE	STEP	PROC	EDURE CHANGE		Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Category:	NCR	l: Yes N	o DQA:	Date:	
	· R	esolution:	Disposition:	QA:	N/C Clos	sed:	Date: _	·
NCR:		W	ORK ORDER NON-CO		(NCR)			. :
DATE	STEP	Description of NC Section A		ion Section B escription f Eng	Sign & Date	Verification Section C	Approval Chief Eng	Approval QC Inspector
					-			
						·		٠.

DART AEROSPACE LTD		Work Order:	517+>
Description: Ø2.750 Support		Part Number:	D2893-1
Inspection Dwg: D2893	Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET

			X First A	Article [Proto	type	·	
					Record	Actual Dim	ensions	-
Dim	Min	Max	Go/No Go Gauge	1	2	3	4	5
				HAÀS Sectio	n			
AA	2.985	3.005		2.993	2996	1,999	2.999	2.999
AB	0.440	0.460		Lux	455	2460	2460	.469
AC	0.125	0.160		11301	.134	134	1384	9134
AD	0.040	0.060		183	.050	PAO.	.053	.027
AE	0.188	0.193		XPV	.191	191	191.	191
AF	0.125	0.160		HE.	ElV.	.,\u((129	0140
AG	0.140	0.160		482	155	2210	7710	157
AH	1.360	1.400		1399	1,375	1.380	1,380	1.380_
ΑI	0.040	0.060		oko.	.050	,050	.050	•050
AJ	1.190	1.230		Also, i	10991	1.334	1,240	46,1
AK	0.010	0.020		44	2100	210.	-015	.015
AL	0.053	0.073		1604	2013	2043	,063	200-
AM	0.240	0.260	· .	1249	£50	076.	07.6°	250
AN	2.518	2.538		2676	157.5	2.532	2.520	9.230
AO	84.39	90.39		87.39	85.39	87.39	87.37	87.37
AP	0.261	0.266		1264	364	1364	262	.963
AQ	0.053	0.073		1063	2003	.063	×43	-06Z
AR				alotch				
AS				in alect				
AT				30700				

	Measure	d by: mJ2		Date: 8/07/0	<u>) </u>
	Audite	d by:		Date: 09/01/	17
Proto	type Appr	oval:		Date:	
Rev	Date	Change	·	Revised by	Approved
Α	02.12.13	New Issue		KJ/RF	
R	07.05.08	Dimension AP revised		KJ/JLM	1

Accept/Reject

Dart	Aerospace	Ltd

W/O:		WORK ORDER CHANGES							
DATE	STEP	PROCEDURE CHANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
								1	

Part No: _	· · · · · · · · · · · · · · · · · · ·	PAR #:	Fault Category:	NCR: Yes No DQA:	Date:
	Resolution:		Disposition:	QA: N/C Closed:	Date:
NCR:		WC	ORK ORDER NON-CO	ONFORMANCE (NCR)	

NCR: WORK ORDER NON-CONFORMANCE (NCR)					•			
		STEP Description of NC		Corrective Action Section B		Verification		
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section C	Approval Chief Eng	Approval QC Inspecto
			. :			•		
					-			

DART AEROSPACE LTD	Work Order:	
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET

			X First A	Article [Protot	type		
Record Actual Dimensions								
Dim	Min	Max	Go/No Go Gauge	*6.	27	\$ 00	* 9	\$10
I			1	HAAS Sectio	n	· · · · · · · · · · · · · · · · · · ·		
AA	2.985	3.005		200.Σ	2.997	2998	7.999	3.797
AB	0.440	0.460		.460	2460	2460	.460	11(12
AC	0.125	0.160		3/20	2137	T61•	430	132
AD	0.040	0.060		2000	0E0.	,050	,05 A	6000
AE	0.188	0.193		0810	191	221.	191	121
AF	0.125	0.160		ONIC	,141	1981	ONI	138
AG	0.140	0.160		ONIE	00/:	.160	3/15	0155
AH	1.360	1.400		1,382	686.1	1,384	1.380	1.381
AI	0.040	0.060		Puga	PHOS	,050	2050	070.
AJ	1.190	1.230		Elbel	7.345	566.1	1:220	1.270
AK	0.010	0.020		016	210.	710.	.015	015
AL	0.053	0.073		.003	60	,003	063	.003
AM	0.240	0.260		0760	076.	076.	:250	.920
AN	2.518	2.538		2.532	2.537	757.C	2535	2,525
AO	84.39	90.39		PE.188	8439	201 39	16.P8	87 39
AP	0.261	0.266		0263	:263	363	363	344
AQ	0.053	0.073		E30.	5002	.065	.063	.063
AR								

Measured by: ,>	Date: A N
Audited by:	Date: 09/09/17
Prototype Approval:	Date:

Accept/Reject

Rev	Date	Change	Revised by	Approved_
Α	02.12.13	New Issue	KJ/RF	
В	07.05.08	Dimension AP revised	KJ/JLM 1,A	1
С	08.04.21	Reformat	KJ/JLM 🛠	
		<u> </u>		

AS AT

DART AEROSPACE LTD	Work Order:	
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET

X	First Article	Prototype
1	I HOU ALLION	o. o. o. y po

Record Actual Dimensions							
Min	Max	Go/No Go Gauge	1\	\2	\ 3	\4	٧ 5
HAAS Section							
2.985	3.005		2,997	100.5	2.997	2.998	ΩαQ.£
0.440	0.460			.460	.460	240	.460
0.125	0.160			1810		.130	OEI,
0.040	0.060			PHO		8120.	. 50
0.188	0.193		1971	.191	.191	191	191
0.125	0.160		.139	.140	NUO	.144	LNIC
0.140	0.160		_ %0 _	036	200	180	.160
1.360	1.400		1.381	1,387	1.382	188.1	1.38%
0.040	0.060			,050	.050	2020	.050
1.190	1.230		1,225	1.220	666.1	1.340	1,223
0.010	0.020		<i>ā10.</i>	.015	.015	.015	710.
0.053	0.073			£50.	l	500	-063
0.240	0.260		250	.250	.920	076.	07.6.
2.518	2.538		143.06	2,534	8606	2.534	2,536
84.39	90.39		877.39	87.39	87 39	87.39	87.39
0.261	0.266		676	696.	.364	.262	,264
0.053	0.073			.063	.065	5003	1063
				,)
		Accept/Reject					
	2.985 0.440 0.125 0.040 0.188 0.125 0.140 1.360 0.040 1.190 0.010 0.053 0.240 2.518 84.39 0.261	2.985 3.005 0.440 0.460 0.125 0.160 0.040 0.060 0.188 0.193 0.125 0.160 0.140 0.160 1.360 1.400 0.040 0.060 1.190 1.230 0.010 0.020 0.053 0.073 0.240 0.260 2.518 2.538 84.39 90.39 0.261 0.266	Min Max Gauge	HAAS Section	Min Max Go/No Go Gauge 1	Min Max Go/No Go Gauge	Min Max Go/No Go Gauge

Measured by:	Date: 8/07/VT
Audited by: ML	Date: 09/09/17
Prototype Approval:	Date:

Rev	Date	Change	Revised by	Approved
Α	02.12.13	New Issue	KJ/RF	
В	07.05.08	Dimension AP revised	KJ/JLM 140	1
С	08.04.21	Reformat	KJ/JLM	
	· · · · · · · · · · · · · · · · · ·		. (7	

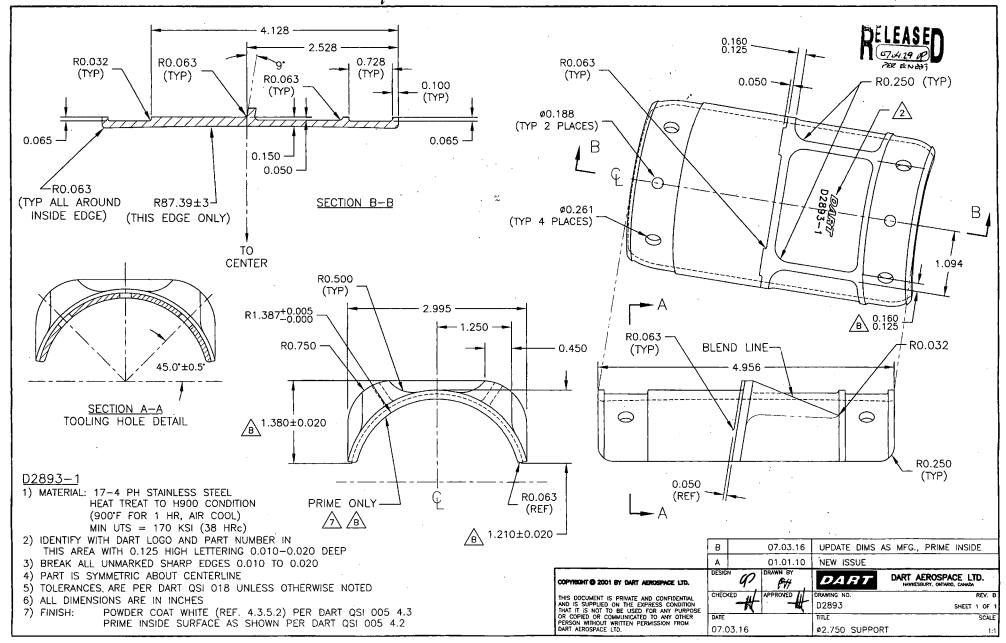
DART AEROSPACE LTD	Work Order:	
Description: Ø2.750 Support	Part Number:	D2893-1
Inspection Dwg: D2893 Rev: B		Page 1 of 1

FIRST ARTICLE INSPECTION DIMENSION SHEET								
	X First Article Prototype							
Record Actual Dimensions								
Dim	Min	Max	Go/No Go Gauge	16	17 3	18 %	19 #	√0 ₂
HAAS Section								
AA	2.985	3.005		2,999	3,998	2.995	3.000	3.∞
AB	0.440	0.460		QNH.	٠٤٥	,440	.410	.460
AC	0.125	0.160		.134	134	OPIO	140	apl.
AD	0.040	0.060	,	~05Q	840.	070	050	.050
AE	0.188	0.193		191	191	191.	191	1121
AF	0.125	0.160		2/40	LNIO	SILO	-140	35%
AG	0.140	0.160		-160	160	160	.\(\omega)	.\60
AH	1.360	1.400		1.383	185.01	1.281	1.389	1.386
Al	0.040	0.060		,050	৽ক্ত	070	.050	.050
AJ	1.190	1.230		1.325	66.1	0.66.1	1.329	66.1
AK	0.010	0.020		2100	210	210	-012	215
AL	0.053	0.073		.063	963	1003	-063	.063
AM	0.240	0.260		250	. 250	.350	.250	·350
AN	2.518	2.538		162,6	2.513	7.2371	2.543	3.518
AO	84.39	90.39		87.39	87.35	2739	87.39	87.39
AP	0.261	0.266		.263	6360	DEU	.344	1264
AQ	0.053	0.073		.063	- 063	6003	543	.065
AR					- "			
AS								
AT								<u> </u>
-			Accept/Reject					<u> </u>

Measured by: MV=	Date: ১৭/১৭/১
Audited by:	Date: 09/09/17
Prototype Approval:	Date:

Rev	Date	Change	Revised by	Approved
Α	02.12.13	New Issue	KJ/RF	
В	07.05.08	Dimension AP revised	KJ/JLM LA	1
С	08.04.21	Reformat	KJ/JLM 🛠	
		·	V	

Wo 5975



Dart Aerospace Lt	a
-------------------	---

W/O:	•		WC	ORK ORDER CHANG	GES			·	 	
DATE	STEP					Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
	,									•
		y .								
								·		,
				`						
Part No	·	PAR #:	Fault Cate	gory:	NCR	Yes N	o DQ	A :	_ Date: _	
			Disposition: Q/							
NCR:		·	VORK ORD	ER NON-CONFORM	IANCE	(NCR)		_	, iip - , , , , , , , , , , , , , , , , , ,	
DATE S	STEP	Description of NC	Corrective Action Section B			Verificat		ation	n Approval	Approval
	012	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector
	-								ŕ	
				•						
<u> </u>								-		
	•									
				de				i		
,										
-										
;		·		1 *						*